ENGINEERING INTERNSHIP
MAY-JUNE-JULY

DAMIEN BERRIAUD

CONTACTS

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LANGUAGES

French	Native
German	Goethe Zertifikat C1
English	C1 (106 TOEFL iBT)

DIGITAL TOOLS

Good mastery : Pack Office, LateX, Python, Matlab, SQL

Notions : C++, Docker, HTML, CSS, Javascript, Linux

ADDITIONAL INFORMATIONS

- **Driving licence**

- Singer in Centrale Lyon's Chor (for 2 years)

- Classical guitar player (for 14 years)

- Climber (7b level) since 2015

- Confirmed cyclist

- Mountain lover

- Mature reader : Science-fiction, philosophy, economy, sciences, architecture

- Participation to the French Robotic's Trophies (2007-2012)

FORMATION

2019 - TODAY

MASTER OF ENGINEERING
École Centrale de Lyon
Emphasis on Mathematics, Physics, Electronics, Mechanics, Electrical Engineering

2017 - 2019

PREPARATORY CLASS MATHS-PHYSICS*
Lycée Blaise Pascal, Orsay
Equivalent of BS/BSc 2 in Mathematics

JUNE 2017

SCIENTIFIC BACCALAUREATE, HIGHLY HONORABLE WITH PRAISE
Lycée Blaise Pascal, Orsay

EXPERIENCES

2020-2021

RESEARCH PROJECT
Hardware Accelerator for Deep Learning

- Coding an accelerator for Convolutional Neural Network on Field Programmable Gates Array using the experimental framework FINN
- Implementing approximation techniques to reduce needs in memory
- Experimenting with Docker and Linux servers

JULY 2020

EXECUTION INTERNSHIP
Charpentes & Constructions Bois, Bruxelles

- Blending with a team of carpenters
- Rapidly learning new vocabulary and set of skills (operating circular saw, reading information on Cadwork)
- Securing a construction site

2020

TREASURER
Mountain Club of École Centrale Lyon

- Managing a treasury
- Communicating with an administration
- Organizing events with 15 to 80 people
- Co-managing a team of 13 people

2019-2020

BEST STUDY PROJECT'S AWARD
École Centrale de Lyon

- Designing an innovative and ecological system of gray waters recuperation, based on a Venturi pump (Showerchiotters project)
- Prototyping
- Conceiving an experimental protocol
- Modelling the physics of a system
- Simulating its operation (Python)

2019-2020

PRIVATE LESSONS IN MATHEMATICS
11th Grade, remotely

- Listening, understanding a scheme of thinking
- Explaining a reasoning